(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



1,000 (00,000) 1,000 (00,000) (00,000) (00,000) (00,000) (00,000) (00,000) (00,000) (00,000)

(43) International Publication Date 3 June 2004 (03.06.2004)

PCT

(10) International Publication Number WO 2004/046459 A1

(51) International Patent Classification7:

D21F 3/04

(21) International Application Number:

PCT/FI2003/000751

- (22) International Filing Date: 10 October 2003 (10.10.2003)
- (25) Filing Language:

Finnish

(26) Publication Language:

English

(30) Priority Data:

20022057

19 November 2002 (19.11.2002) F

- (71) Applicant (for all designated States except US): METSO PAPER, INC. [FI/FI]; Fabianinkatu 9 A, FIN-00130 Helsinki (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HONKALAMPI, Petter [FI/FI]; Kinkoriutantie 21, FIN-40930 Kinkomaa (FI). HALME, Petteri [FI/FI]; Anttoninkatu 26 A 3, FIN-40250 Jyväskylä (FI). ANTTILAINEN, Sami [FI/FI]; Muurarintie 9 B 7, FIN-40250 Jyväskylä (FI).
- (74) Agent: FORSSÉN & SALOMAA OY; Eerikinkatu 2, FIN-00100 Helsinki (FI).

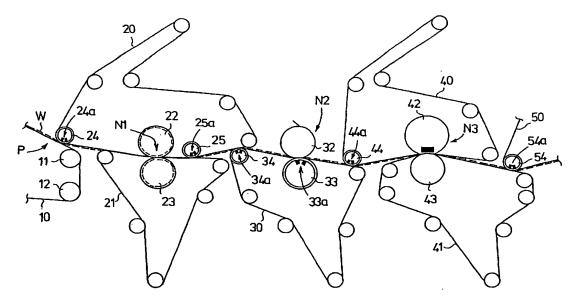
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EB, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PRESS SECTION IN A PAPER OR BOARD-MACHINE



(57) Abstract: The invention relates to a press section in a paper or board machine, in which press section the transfer of a web (W) is accomplished as a closed draw through the press section and which press section is provided with at least three separate press nips (N1, N2, N3), dewatering in the first nip (N1) of said nips taking place on two sides. The closed draw of the web (W) through the press section is accomplished as a substantially straight run and that the press nips each have their own fabric loops (20, 21; 30; 40, 41), that the nips (N2, N3) following after the first nip (N1) have one water-receiving fabric (30, 40), which is placed in the nip (N2, N3) on the opposite side of the web (W) with respect to the other nip in the running direction of the web in the machine.

